

GEO L-Bar Mini Prism

Description

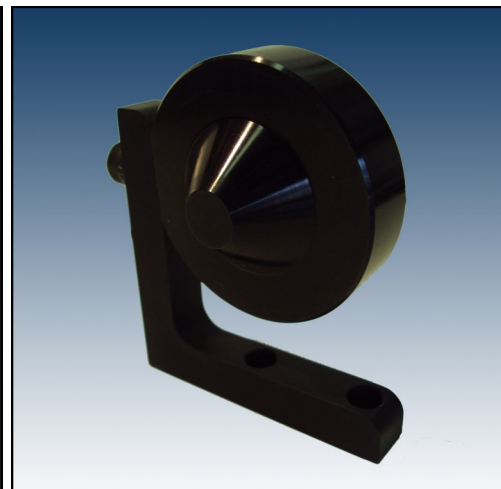
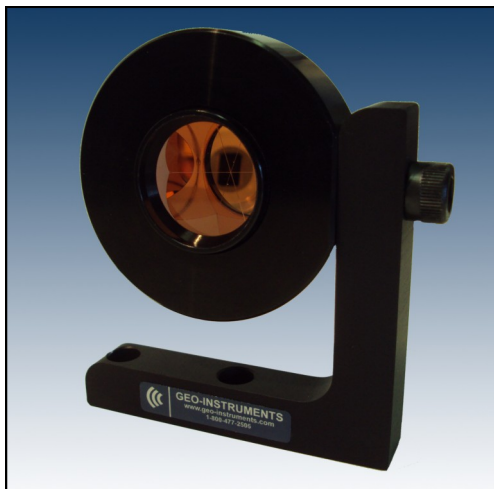
The GEO L-Bar Mini Prism is intended for use with our Automated Motorized Total Station data collection systems (please see separate data sheet for details). The L-Bar Mini Prism consists of a copper coated optical glass prism in a dust and water proof anodized aluminum housing, mounted with an 8mm hex bolt to an anodized aluminum “L” mounting bracket.

This configuration allows the prism to be properly aligned with the AMTS on variable mounting surfaces. Prisms are used where X, Y & Z measurements are desired.

Applications

Use the L-Bar Mini Prism to monitor movements on all types of structures or geologic features, such as:

- Response of adjacent structures to construction or natural ground movements
- Response of tunnels during construction
- Slab adjustments during jacking, or soil improvement operations



- Provides an early warning system of pending landslide areas and slope failure by monitoring the stability and movement of natural slopes, highways, railways, and dams
- Behavior of structural members under loads/ unloading

Installation

The L-Bar Mini Prism may be mounted onto the structure or geologic feature with a standard grout in, mechanical or other user determined method.

It should be installed in line of sight with the Automated Motorized Total Station system. The prism should then be rotated and positioned to be in correct alignment with the AMTS and locked into place with an 8mm hex bolt.

Maintenance

The system can be left in place in all types of weather for permanent installations. The high quality optics require no maintenance.

Care should be taken to avoid areas where steam vapor, snow, ice, smoke, or obstructions may block the line of sight to the AMTS.

Specifications

Outside diameter (Prism Housing)	2.25"
L-Bar	0.375" x 3"
Overall Height	3.5"
L-Bar Mounting Hole	0.4"
Weight	0.45lbs

Main Office

24 Celestial Drive, Suite B
Narragansett RI, 02882
Phone 800.477.2506
Fax 401.633.6021

Northwest Office

2100 196th Street SW, Suite 109
Lynnwood WA, 98036
Phone 800.477.2506
Fax 401.633.6021

We make it easy to
get the data you need.

www.Geo-Instruments.com

sales@Geo-Instruments.com